

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 to 28 (canceled).

29. (new). A method of aiding in a renal cell carcinoma prognosis for a human subject diagnosed with locally advanced or metastatic renal clear cell carcinoma, comprising:

(a) obtaining a sample of the locally advanced or metastatic lesion of the renal tumor of the subject;

(b) determining whether the sample is negative or positive for the expression of the CAIX protein of SEQ ID NO:2; and

(c) aiding the prognosis by identifying the carcinoma as having a greater malignant potential if the sample is negative for expression of the CAIX protein or identifying the carcinoma as having a lesser malignant potential if the sample is positive for expression of the CAIX protein;

(d) and planning a therapy for the patient according to the prognosis.

30 (new). The method of claim 29, wherein the expression of the CAIX protein is determined using immunohistochemical staining.

31. (new). The method of claim 29, wherein the subject has locally advanced renal cell cancer and the sample is negative for CAIX and the therapy is adjuvant immunotherapy.

32. (new) The method of claim 29, wherein the subject has metastasized renal cell cancer and the therapy is adjuvant immunotherapy.

33. (new). A method of aiding in a renal cell carcinoma prognosis, the method comprising:

- a) obtaining one or more samples derived from a locally advanced renal tumor and/or a metastatic lesion derived from a renal tumor of a human subject diagnosed with locally advanced or metastatic renal clear cell carcinoma;
- b) immunohistochemically staining the sample for the CAIX protein of SEQ ID NO:2, and
- c) obtaining the prognosis for the subject according to the results of id staining, wherein a sample which stains negatively indicates a poorer likelihood of survival for the subject than does a sample which stains positively.

34 (new). The method of claim 33, wherein further the prognosis is used in the selection of a treatment regimen for the subject.